Sequence Listing

<110> KenjI SHIBATA
Motoo YAMASAKI
Tetsuo YOSHIDA
Tamio MIZUKAMI
Akeo SHINKAI
Hideharu ANAZAWA

<120> Peptides having a cyclic structure and restoring the activities of P53 protein to mutant P53 protein

<130> 1061

<140> PCT/JP98/02148
<141> 1998-5-15

<150> JP97/126113
<151> 1997-05-15

<160> 32

<210> 1
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 1
Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

<210> 2
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 2
Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
1 5 10

<210> 3
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 3
Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
1 5 10

<210> 4
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(17)

<220>
<223> Synthetic peptide

<400> 4
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Cys

<210> 5
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(15)
<223> BINDING type is -$CONH_2$-.

<220>
<223> Synthetic peptide

<400> 5
Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

<210> 6
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(17)

<220>
<221> SITE
<222> (17)
<223> Xaa represents L-Cysteine amide

<220>
<223> Synthetic peptide

<400> 6
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 7
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(17)

<220>
<221> SITE
<222> (1)
<223> Xaa represents N-Acetyl-L-cysteine

<220>
<221> SITE
<222> (17)
<223> Xaa represents L-Cysteine amide

<220>
<223> Synthetic peptide

<400> 7
Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 8
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 8
CTAGACAGCC AGACTGCCTT CCGGGTCACT GC 32

<210> 9

<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 9
CATGGCAGTG ACCCGGAAGG CAGTCTGGCT GT 32

<210> 10
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 10
TCGAGAGACA TGCCTAGACA TGCCTG 26

<210> 11
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 11
TCGACAGGCA TGTCTAGGCA TGTCTC 26

<210> 12
<211> 22
<212> DNA
<213> Artificial Sequence

<220>

<223> Other nucleic acid Synthetic DNA

<400> 12
TCGAGCCCGG GGGTACCGCA TG 22

<210> 13
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 13
CGGTACCCCC GGGC 14

<210> 14
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 14
TCGAGGGACT TGCCTGGACT TGCCTGTCGA CG 32

<210> 15
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 15
GTACCGTCGA CAGGCAAGTC CAGGCAAGTC CC 32

<210> 16

<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(17)

<220>
<221> SITE
<222> (18)
<223> Xaa represents 12-Dodecanamide

<220>
<223> Synthetic peptide

<400> 16
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Cys Xaa

<210> 17
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(17)

<220>
<221> SITE
<222> (17)
<223> Xaa represents N-Dodecyl-L-cysteine amide

<220>
<223> Synthetic peptide

<400> 17

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 18
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(17)

<220>
<221> SITE
<222> (17)
<223> Xaa represents N-Octadecyl-L-cysteine amide

<220>
<223> Synthetic peptide

<400> 18
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 19
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(17)

<220>
<221> SITE
<222> (14)
<223> Xaa represents N^{ε}-Acetyl-L-lysine

<220>
<223> Synthetic peptide

<400> 19
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Xaa Lys Leu
1 5 10 15
Cys

<210> 20
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(17)
<223> BINDING type is -S-CH_2-S-.

<220>
<221> SITE
<222> (1)
<223> Xaa represents L-Cysteine.

<220>
<221> SITE
<222> (17)
<223> Xaa represents L-Cysteine amide.

<220>
<223> Synthetic peptide

<400> 20
Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 21

<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(16)
<223> BINDING type is -$CONH_2$- between -NH_2(ε)in Lys and -COOH in Leu.

<220>
<223> Synthetic peptide

<400> 21
Lys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

<210> 22
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(8)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 22
Cys Leu Lys Ser Lys Lys Gly Cys Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15

<210> 23
<211> 16
<212> PRT

<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(8)
<223> BINDING type is $-CONH_2-$ between $-NH_2(\varepsilon)$in Lys and -COOH in Asp.

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 23
Lys Leu Lys Ser Lys Lys Gly Asp Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15

<210> 24
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (7)..(13)
<223> BINDING type is $-CONH_2-$.

<220>
<221> SITE
<222> (15)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 24
Leu Lys Ser Lys Lys Gly Asp Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15

<210> 25
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFID
<222> (1)..(16)

<220>
<223> Synthetic peptide

<400> 25
Cys Leu Lys Ser Lys Lys Gln Ser Thr Ser Arg His Lys Lys Leu Cys
1 5 10 15

<210> 26
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(16)
<223> BINDING type is $-CH_2S-$.

<220>
<221> SITE
<222> (1)
<223> Xaa represents N-Methlenecarbonyl-L-leucine whose methlene bonds to S in Cysteine amide.

<220>
<221> SITE
<222> (16)
<223> Xaa represents Cysteine amide whose S bonds to methlene in N-Methlenecarbonyl-L-leucine.

<220>
<223> Synthetic peptide

<400> 26
Xaa Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
1 5 10 15

<210> 27
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(17)
<223> BINDING type is -S-(o-xylylene)-S-.

<220>
<221> SITE
<222> (1)
<223> Xaa represents L-Cysteine.

<220>
<221> SITE
<222> (17)
<223> Xaa represents L-Cysteine amide.

<220>
<223> Synthetic peptide

<400> 27
Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 28
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFIDE
<222> (3)..(16)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Cysteine amide.

<220>
<223> Synthetic peptide

<400> 28
Leu Lys Cys Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
1 5 10 15

<210> 29
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFIDE
<222> (1)..(11)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 29
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Cys Arg His Lys Lys Xaa
1 5 10 15

<210> 30
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFIDE

<222> (3)..(10)

<220>
<221> SITE
<222> (15)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 30
Leu Lys Cys Lys Lys Gly Gln Ser Thr Cys Arg His Lys Lys Xaa
1 5 10 15

<210> 31
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<221> DISULFIDE
<222> (1)..(17)

<220>
<221> SITE
<222> (18)
<223> Xaa represents L-Glycine n-butyl amide.

<220>
<223> Synthetic peptide

<400> 31
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Cys Xaa

<210> 32
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (3)..(13)
<223> BINDING type is $-CONH_2-$ between -COOH (β) in Asp and $-NH_2$ (ε) in Lys

<220>
<221> SITE
<222> (15)
<223> Xaa represents L-Leucine amide.

<220>
<223> Synthetic peptide

<400> 32

Leu	Lys	Asp	Lys	Lys	Gly	Gln	Ser	Thr	Ser	Arg	His	Lys	Lys	Xaa
1				5					10					15